January / February **(1)**.....1–96
March / April **(2)**.....97–192
May / June **(3)**.....193–284
July / August **(4)**.....285–376
September / October **(5)**.....377–472
November / December **(6)**.....473–588

SUBJECT INDEX

Absorption and scattering, cyanine dye J-aggregates, adsorbed on AgBr, absorption spectra of, 81
Aggregation
  dilute suspensions, shell/polymer core composite particles, electrooptical properties, 564
  J-aggregates, amalgamation-type, formation, monolayer assemblies for 2 cyanine dye types, 331
Algorithms, classified, multispectral image segmentation, 26
Analysis
  crystal structures of blue-sensitizing dyes, N-methyl-2- pyridinium iodide and N-methyl-2-pyridinium iodide, 253
  mixed AgBr-AgBrI tabular crystals, temperature study, 70
Analytical methods
  color fluorescence electron microscopy, AgBr emulsion crystals, nucleation and growth of cyanine dye J-aggregates on, 539
  digital image capture, watermarks, 261
  piezoelectric sensor, *in situ* monitoring of xerographic developers, 136
  Rietveld analysis, hydroxy gallium phthalocyanine, crystal structure, 298
  secondary ion mass spectrometry, revelation of photographic gelatin layer microstructures, 222
  thermal ink-jet printheads, correlation of print quality defects from misdirected satellite drops with nozzle face geometries, 489
Antifoggant effects, sulfur, elemental and selected donors/acceptors, sensitometric properties, 524
Apparatus, silver removal system, linear polymeric precipitant and cross-flow microfiltration, photoprocessing wash water, 419
Azo pigments
  red- and near-IR-sensitive bisazo pigments, from 2,7-diaminofluorenone, synthesis/optical absorption/xerographic properties, 1
  unsymmetrical bisazo pigments, from 2-nitro-4–4′-diaminodiphenylamine, synthesis/characterization/xerographic properties, 126
Benzoxazole, cyanine dyes, aggregation behavior, 257
Book reviews
  The Application of Statistical Process Control to Roll Products, Paul J. Frost and Edgar B. Gutoff, 183
  Computer Generated Color, Richard Jackson, Lindsay MacDonald, and Ken Freeman, 278
  Digital Image Processing: Principles and Applications, Gregory Baxes, 578
  How to Digitize Video, Nels Johnson, Fred Gault, and Mark Florence, 279
  The Photographs, Leah Bendavid-Val, 182
  Visual and Technical Aspects of Type, Roger D. Hersch, Ed., 87
Cathode ray tubes, field-emission devices and, thermal comparison, electron-beam scanning of ZnS crystals, 448
CCD imaging, silver halide photography and, comparison, future prospects, 31
Charge generation
  contact charger roller
    ozone formation by, modeling, 267
    vibration and noise induced by electrostatic force on, electrophotography, 477
  contact charging, photoreceptors, conductive brush–sleeve hybrid roller, 132
  ozone emission modeling, by corotron used in electrophotography, 439
Charge transport
  DCAQ-doped polymers, electron transport, 6
  liquid development and, electrography, 473
  molecularly doped polymers, electron transport, 12
Chelates, Ni(II) with 8-mercaptoquinoline and 5,8-dimercaptoquinoline in, nonsilver images, nonsilver images, 362
Chemical sensitization
  cubic grains, corner rounding, computer simulation study of sensitometric effects, 509
  latent-image formation, effect of grain size on efficiency, computer simulation study, 407
  sulfur, elemental and selected donors/acceptors, sensitometric properties, 524
Coalescence, nascent ultrafine silver iodide particles, spectral evolution, aqueous media, 402
Color development, multiphase coupling, nanocrystalline coupler dispersions, 340
Color images, multicolor polymeric objects, formation by laser-initiated photopolymerization, 18
Color printing, acid red 249, physicochemical environment of, ink-jet paper, 239
Color print measurements, image quality, nonlinear models, framework, sharpness/graininess, 312
Color processing effluents, septic tank systems, photodistillate discharge into, biological treatability of, 176
Color reproduction
  negative color film, light source discrimination and facial pattern detection from, 166
  repetitive JPEG compressions, with DCT block rearrangement operation, effects on image quality, 546
Computed tomography images, cone-beam, scattered x-rays, software correction for, 319
Computer graphics, parallel axes, point–line intersection, 162
Conservation, photographic materials, accelerated aging tests and long-term storage, implications of moisture-content isolines of gelatin for, 157
Core–shell grains, heterophase microcrystals, nonsilver cores and silver halide shells in, photographic emulsions, 56
Corner rounding, sensitometric effects, cubic grains in silver halide emulsions, computer simulation study, 509
Coupler dispersions, nanocrystalline, multiphase coupling, 340

January / February **(1)**.....1–96
March / April **(2)**.....97–192
May / June **(3)**.....193–284
July / August **(4)**.....285–376
September / October **(5)**.....377–472
November / December **(6)**.....473–588

SUBJECT INDEX

Absorption and scattering, cyanine dye J-aggregates, adsorbed on AgBr, absorption spectra of, 81
Aggregation
  dilute suspensions, shell/polymer core composite particles, electrooptical properties, 564
  J-aggregates, amalgamation-type, formation, monolayer assemblies for 2 cyanine dye types, 331
Algorithms, classified, multispectral image segmentation, 26
Analysis
  crystal structures of blue-sensitizing dyes, N-methyl-2- pyridinium iodide and N-methyl-2-pyridinium iodide, 253
  mixed AgBr-AgBrI tabular crystals, temperature study, 70
Analytical methods
  color fluorescence electron microscopy, AgBr emulsion crystals, nucleation and growth of cyanine dye J-aggregates on, 539
  digital image capture, watermarks, 261
  piezoelectric sensor, *in situ* monitoring of xerographic developers, 136
  Rietveld analysis, hydroxy gallium phthalocyanine, crystal structure, 298
  secondary ion mass spectrometry, revelation of photographic gelatin layer microstructures, 222
  thermal ink-jet printheads, correlation of print quality defects from misdirected satellite drops with nozzle face geometries, 489
Antifoggant effects, sulfur, elemental and selected donors/acceptors, sensitometric properties, 524
Apparatus, silver removal system, linear polymeric precipitant and cross-flow microfiltration, photoprocessing wash water, 419
Azo pigments
  red- and near-IR-sensitive bisazo pigments, from 2,7-diaminofluorenone, synthesis/optical absorption/xerographic properties, 1
  unsymmetrical bisazo pigments, from 2-nitro-4–4′-diaminodiphenylamine, synthesis/characterization/xerographic properties, 126
Benzoxazole, cyanine dyes, aggregation behavior, 257
Book reviews
  The Application of Statistical Process Control to Roll Products, Paul J. Frost and Edgar B. Gutoff, 183
  Computer Generated Color, Richard Jackson, Lindsay MacDonald, and Ken Freeman, 278
  Digital Image Processing: Principles and Applications, Gregory Baxes, 578
  How to Digitize Video, Nels Johnson, Fred Gault, and Mark Florence, 279
  The Photographs, Leah Bendavid-Val, 182
  Visual and Technical Aspects of Type, Roger D. Hersch, Ed., 87
Cathode ray tubes, field-emission devices and, thermal comparison, electron-beam scanning of ZnS crystals, 448
CCD imaging, silver halide photography and, comparison, future prospects, 31
Charge generation
  contact charger roller
    ozone formation by, modeling, 267
    vibration and noise induced by electrostatic force on, electrophotography, 477
  contact charging, photoreceptors, conductive brush–sleeve hybrid roller, 132
  ozone emission modeling, by corotron used in electrophotography, 439
Charge transport
  DCAQ-doped polymers, electron transport, 6
  liquid development and, electrography, 473
  molecularly doped polymers, electron transport, 12
Chelates, Ni(II) with 8-mercaptoquinoline and 5,8-dimercaptoquinoline in, nonsilver images, nonsilver images, 362
Chemical sensitization
  cubic grains, corner rounding, computer simulation study of sensitometric effects, 509
  latent-image formation, effect of grain size on efficiency, computer simulation study, 407
  sulfur, elemental and selected donors/acceptors, sensitometric properties, 524
Coalescence, nascent ultrafine silver iodide particles, spectral evolution, aqueous media, 402
Color development, multiphase coupling, nanocrystalline coupler dispersions, 340
Color images, multicolor polymeric objects, formation by laser-initiated photopolymerization, 18
Color printing, acid red 249, physicochemical environment of, ink-jet paper, 239
Color print measurements, image quality, nonlinear models, framework, sharpness/graininess, 312
Color processing effluents, septic tank systems, photodistillate discharge into, biological treatability of, 176
Color reproduction
  negative color film, light source discrimination and facial pattern detection from, 166
  repetitive JPEG compressions, with DCT block rearrangement operation, effects on image quality, 546
Computed tomography images, cone-beam, scattered x-rays, software correction for, 319
Computer graphics, parallel axes, point–line intersection, 162
Conservation, photographic materials, accelerated aging tests and long-term storage, implications of moisture-content isolines of gelatin for, 157
Core–shell grains, heterophase microcrystals, nonsilver cores and silver halide shells in, photographic emulsions, 56
Corner rounding, sensitometric effects, cubic grains in silver halide emulsions, computer simulation study, 509
Coupler dispersions, nanocrystalline, multiphase coupling, 340

Crystal growth
AgBr tabular grain formation, effect of coalescence on, 323
heterophase microcrystals, nonsilver cores and silver halide shells in, photographic emulsions, 56
rate, total population changes and, during silver halide precipitations, 120
recrystallization and, silver halides, chemical factors for control, 40
silver halide tabular crystals, shape and structure, relationship, 67
Crystallography
Rietveld analysis, hydroxy gallium phthalocyanine, 298
structures of blue-sensitizing dyes, N-methyl-2- pyridinium iodide and N-methyl-2-pyridinium iodide, 253
Crystal structure
mixed AgBr-AgBrI tabular crystals, temperature study, 70
multiphase color coupling, nanocrystalline coupler dispersions, 340
Cyanine dyes
adsorbed on AgBr, J-aggregate absorption spectra of, 81
benzoxazole, aggregation behavior, 257
blue-sensitizing, aqueous methanol solution, thermodynamics, 373
blue sensitizing dyes, in photographic emulsions, synthesis/spectroscopy/performance, 244
J-aggregates, nucleation and growth on AgBr emulsion crystals, Analytical color fluorescence electron microscopy study, 539
monolayer aggregates, self-assembly on Ag(111) film, spectral properties and scanning tunneling microscopy, 210
monolayer assemblies for, formation possibility of amalgamation-type J-aggregates, 331
spectroscopy, single silver halide microcrystals, correlative near-field direct/fluorescence imaging and, 205
Densitometry, diffuse optical densities, measurement, diffusion coefficient, 453
Development
copper physical, image intensification, image composition and chemical state, 76
infectious, pyridinium salts, new high-contrast system, 532
rate, dependence on emulsion variables and development type, 355
two-component xerographic, triboelectric charging, role of electric field in, 285
Digital images
analysis, watermarks, 261
high-dynamic-range, acquisition and display, multi-intensity imagery, 559
hybrid halftones, electrostatic image densities in, 302
stairstepping, subjective impression of quality, 142
Drift mobility, monolayer photoreceptors with H_2-phthalocyanine, 271
Dyes
acid red 249, stability, physicochemical environment of, ink-jet paper, 239
aggregation, benzoxazole cyanine dyes, 257
Dynamic range, high, image acquisition and display, multi-intensity imagery, 559
Editorials, iv(1), iv(2), iv(3), iv(4), iv(5), iv(6)
Effluents
color processing, septic tank systems, photodistillate discharge into, biological treatability of, 176
silver, photoprocessing wash water and, linear polymeric precipitant and cross-flow microfiltration system, 419
Electrography
digital hybrid halftone images, electrostatic image densities in, 302
liquid development, charge transport model, 473
Electron-beam scanning, ZnS crystals, thermal comparison of CRTs and field-emission devices, 448
Electron transport
DCAQ-doped polymers, 6
molecularly doped polymers, 12
Electrooptical effects, dilute suspensions, shell/polymer core composite particles, 564
Electrophotography
contact charger roller
electrostatic force, vibration and noise induced by, 477
ozone formation by, modeling, 267
corotron in, modeling of ozone emission by, 439
flash fusible toner, thermal absorption, analysis, 481
liquid development, charge transport model, electrography, 473
monolayer photoreceptors, with H_2-phthalocyanine
drift mobility, 271
positively charged, 294
organic photoconductors, resolution decrease in, mechanism for, 485
organic photoreceptors, triarylamine-based charge transport layers in, photofatigue, 425
photoreceptors, contact charging, conductive brush–sleeve hybrid roller, 132
polymerized toners, properties of, 433
polymers molecular weight, influence on developer stability, 442
triboelectric charging, role of water, alkylchlorosilane-treated silicas, toner surface additives, 429
xerographic developers, *in situ* monitoring, piezoelectric sensor for, 136
Electrorheological fluids, dilute suspensions, shell/polymer core composite particles, electrooptical properties, 564
Electrostatic force, vibration and noise induced by, contact charger roller, electrophotography, 477
Exposure, crossover, front and back emulsions, quantum and structure mottle, Wiener spectra of, 148
Field-emission devices, CRTs and, thermal comparison, electron-beam scanning of ZnS crystals, 448
Fluorescence analysis, correlative near-field direct/fluorescence imaging, spectroscopy of sensitizing dye, single silver halide microcrystals, 205
Gelatin
moisture content isolines, accelerated aging tests and long-term storage of photographic materials, 157
photographic
microstructures, revelation by imaging secondary ion mass spectrometry, 222
production, 367
Grain, size, effect on efficiency of latent-image formation, computer simulation study, 407
Graphic arts
halftone imaging, tone reproduction, expanded Murray-Davies model, 502
high-contrast film system, pyridinium salts and, 532
still image compression, JPEG scheme, image quality, 306
Halftone imaging
digital hybrid, electrostatic image densities in, 302
ink-jet printing, improved multilevel error diffusion method, 495
tone reproduction, expanded Murray-Davies model, 502
Heterophase crystals, microcrystals, nonsilver cores and silver halide shells in, photographic emulsions, 56
High contrast, new film system, pyridinium salts and, 532
Histograms, fuzzy-based, equalization procedure, image recognition using pointed set, 457
Illuminants, light source discrimination, facial pattern detection and, negative color film, 166
Image acquisition, display and, high-dynamic-range, multi-intensity imagery, 559
Image compression
repetitive JPEG, with DCT block rearrangement operation, effects on image quality, 546
still images, JPEG scheme, image quality, 306
Image degradation function, degradation description by, 463
Image display, CRTs and field-emission devices, thermal comparison, electron-beam scanning of ZnS crystals, 448
Image evaluation, image degradation function, degradation description, 463
Image intensification, copper physical development, image composition and chemical state of, 76
Image processing
digital image capture, watermarks, 261
multispectral image segmentation, classified algorithm for, 26

negative color film, light source discrimination and facial pattern detection, 166
pointed set and, fuzzy-based histogram equalization procedure for, 457
Image quality
defects, correlation of misdirected satellite drops with nozzle face geometries, thermal ink-jet printheads, 489
electrophotography, organic photoconductors, resolution decrease in, mechanism for, 485
nonlinear models, framework, sharpness/graininess, 312
quantum and structure mottle, Wiener spectra of, front and back emulsions, effects of crossover exposure, 148
repetitive JPEG compressions, with DCT block rearrangement operation, 546
still image compression, JPEG scheme, image quality, 306
subjective impression, stairstepping in digitized text, 142
Image recognition, pointed set and, fuzzy-based histogram equalization procedure for, 457
Ink-jet materials, paper, physicochemical environment of Acid Red 249, 239
Ink-jet printing
multilevel error diffusion, improved method, 495
thermal printheads, correlation of print quality defects from misdirected satellite drops with nozzle face geometries, 489
In memoriam,
Howard G. Rogers, iii(6)
Xin-min Ren, 86
Iridium, Rh^{3+} and, doped AgCl microcrystals, transient microwave photoconductivity and computer simulation study, 393
J-aggregates
absorption spectra, cyanine dyes adsorbed on AgBr, 81
amalgamation-type, formation possibility, monolayer assemblies with 2 cyanine dye types, 331
cyanine dye, nucleation and growth on AgBr emulsion crystals, analytical color fluorescence electron microscopy study, 539
Joint Photographic Experts Group (JPEG)
repetitive image compressions, with DCT block rearrangement operation, effects on image quality, 546
still image compression scheme, image quality, 306
Kinetics, free electron–hole recombination reaction, rate constant at 295 K, powdered AgBr, 520
Laser flash photolysis, spectral sensitization, role of sensitizing dye complexation, silver halides, 377
Latent image
AgCl emulsion grains, electronic properties and photographic behavior, 233
formation
cubic grains, sensitometric effects of corner rounding, computer simulation study, 509
effect of grain size on efficiency, computer simulation study, 407
silver halide microcrystals, photoaggregation theory, basic concepts, 193
photographic layers, spectral sensitization, role of two-photon processes, 113
Methanol, aqueous solution, blue-sensitizing cyanine dye in, thermodynamics, 373
Microscopy
analytical color fluorescence electron, AgBr emulsion crystals, nucleation and growth of cyanine dye J-aggregates on, 539
scanning tunneling, spectral properties and, monolayer cyanine dye aggregates self-assembled on Ag(111) film, 210
sensitizing dye, single silver halide microcrystals, correlative near-field direct/fluorescence imaging and, 205
Microwaves
photoconductivity, powdered AgBr, free electron–hole recombination reaction, rate constant at 295 K, 520
transient, conductivity, Ir^{3+}- and Rh^{3+}-doped AgCl microcrystals, computer simulation study of, 393
Modulation transfer function, image degradation function, degradation description, 463
Mottle, quantum and structure, Wiener spectra of, effects of crossover exposure of front and back emulsions, 148
Multidimensional images, parallel axes, point–line intersection, computer graphics, 162
Multilevel error diffusion, improved method, ink-jet printing, 495
Multispectral images, segmentation, classified algorithm for, 26
Murray-Davies model, expanded, tone reproduction, halftone imaging, 502
Noise
analysis, digitized text, stairstepping in, subjective impression of quality and, 142
reduction, electrostatic force, vibration and noise induction by, on contact charger roller, electrophotography, 477
Nonsilver images
intensification, copper physical development, image composition and chemical state, 76
Ni(II)chelates, 8-mercaptoquinoline and 5,8-dimercaptoquinoline in, 362
Optical densities, diffuse, measurement, diffusion coefficient, 453
Organic photoconductors
resolution decrease in, mechanism for, electrophotography, 485
unsymmetrical bisazo pigments, from 2-nitro-4–4′-diaminodiphenylamine, synthesis/characterization/xerographic properties, 126
Organic photoreceptors
red- and near-IR-sensitive bisazo pigments, from 2,7-diaminofluorenone, synthesis/optical absorption/xerographic properties, 1
triarylamine-based charge transport layers in, photofatigue, 425
Ozone
emission modeling, by corotron used in electrophotography, 439
formation, contact charger roller and, modeling, 267
Parallel axes, point–line intersection, computer graphics, 162
Pattern detection, faces, light source discrimination and, from negative color film, 166
Phosphors, ZnS crystals, electron-beam scanning, thermal comparison of CRTs and field-emission devices, 448
Photoaggregation theory, latent image formation, silver halide microcrystals, basic concepts, 193
Photocharge effect, grain-size dependence, silver iodobromide photographic emulsions, 106
Photoconductivity, AgCl emulsion grains, electronic properties and photographic behavior, 233
Photoconductors, organic, resolution decrease in, mechanism for, electrophotography, 485
Photodistillates, biological treatability, discharge into septic tank systems, 176
Photofatigue, organic photoreceptors, triarylamine-based charge transport layers in, 425
Photographic effluents, wash water, silver removal, linear polymeric precipitant and cross-flow microfiltration system, 419
Photographic emulsions
AgBr tabular grain formation, effect of coalescence on, 323
heterophase microcrystals, nonsilver cores and silver halide shells in, 56
silver halide, gelatin production, 367
silver halides, recrystallization and growth, chemical factors for control
silver halide tabular crystals, shape and structure, relationship, 67
silver iodobromide, grain-size dependence of photocharge effect, 106
Photographic materials, long-term storage, accelerated aging tests and, implications of moisture-content isolines of gelatin for, 157
Photographic processing, development rate, dependence on emulsion variables and development type, 355
Photoluminescence, three-four atom/center, quantum-sized silver clusters, AgBr spectroscopic studies, 97
Photopolymerization, laser-initiated, formation of multicolor polymeric objects, 18
Photoprocessing effluents, color processing, septic tank systems, photodistillate discharge into, biological treatability of, 176
Photoreceptors
contact charging, conductive brush–sleeve hybrid roller, 132
DCAQ-doped polymers, electron transport, 6

electron transport, molecularly doped polymers, 12
monolayer, with H_2-phthalocyanine
drift mobility, 271
positively charged, 294
organic, with triarylamine-based charge transport layers, photofatigue, 425
Photosensitivity, silver halides *versus* other materials, comparison, future prospects, 31
Phthalocyanines
drift mobility of monolayer photoreceptors, 271
positively charged monolayer photoreceptors with, 294
hydroxy gallium, crystal structure of, Rietveld analysis, 298
shell/polymer core composite particles, dilute suspensions, electrooptical properties, 564
Piezoelectric sensors, *in situ* monitoring, xerographic developers, 136
Polymerization, toners, properties, electrophotography, 433
Polymers
linear precipitant, cross-flow microfiltration and, silver removal system, photoprocessing wash water, 419
molecular weight, influence on developer stability, 442
Precipitation, silver halide, crystal growth rate and total population changes during, 120
Printheads, thermal ink-jet, correlation of print quality defects from misdirected satellite drops with nozzle face geometries, 489
Pyridinium salts, new high-contrast film system with, 532
Remote sensing, multispectral image segmentation, classified algorithm for, 26
Rhodium, Ir^{3+} and, doped AgCl microcrystals, transient microwave photoconductivity and computer simulation study, 393
Rietveld analysis, hydroxy gallium phthalocyanine, crystal structure, 298
Rollers
conductive brush–sleeve hybrid, contact charging of photoreceptors, xerography, 132
contact charger, ozone formation by, modeling, 267
Scattering, x-rays, cone-beam CT images, software correction, 319
Sensitization
cubic grains, sensitometric effects of corner rounding, computer simulation study, 509
photographic emulsions, blue sensitizing dyes, synthesis/spectroscopy/performance, 244
sulfur
digestion for, sensitization and fog centers formed during, 386
elemental and selected donors/acceptors, sensitometric properties, 524
Silver bromide
cyanine dyes adsorbed on, J-aggregate absorption spectra of, 81
development rate, dependence on emulsion variables and development type, 355
emulsion crystals, nucleation and growth of cyanine dye J-aggregates, analytical color fluorescence electron microscopy study, 539
emulsion grains, sulfur sensitization digestion, sensitization and fog centers formed during, 386
latent-image formation, effect of grain size on efficiency, computer simulation study, 407
powdered, free electron–hole recombination reaction, rate constant at 295 K, 520
spectroscopic studies, three-four atom/center photoluminescence, quantum-sized silver clusters, 97
tabular grain formation, effect of coalescence on, 323
Silver chloride
emulsion grains, electronic properties and photographic behavior, 233
Ir^{3+}- and Rh^{3+}-doped microcrystals, computer simulation study, transient microwave photoconductivity and, 393
Silver clusters, quantum-sized, three-four atom/center photoluminescence, AgBr spectroscopic studies, 97
Silver halide emulsions
Ag(111) film, monolayer cyanine dye aggregate self-assembly, spectral properties and scanning tunneling microscopy, 210
blue sensitizing dyes, synthesis/spectroscopy/performance, 244
cubic grains, sensitometric effects of corner rounding, computer simulation study, 509
elemental sulfur, selected sulfur donors and acceptors and, sensitometric properties, 524
gelatin layer microstructures, revelation by imaging secondary ion mass spectrometry, 222
photographic gelatin production, 367
precipitation, crystal growth rate and total population changes during, 120
silver iodobromide, grain-size dependence of photocharge effect, 106
single microcrystals, spectroscopy of sensitizing dye, correlative near-field direct/fluorescence imaging, 205
variables, development type and, dependence of development rate on, 355
Silver halide photography, other photosensitive materials and, comparison, future prospects, 31
Silver halides
microcrystals, latent image formation in, photoaggregation theory, basic concepts, 193
mixed AgBr-AgBrI tabular crystals, temperature study, 70
photographic layers, spectral sensitization, role of two-photon processes, 113
recrystallization and growth, chemical factors for control, 40
spectral sensitization, role of sensitizing dye complexation, 377
tabular crystals, shape and structure, relationship, 67
Silver iodide, nascent ultrafine particles, spectral evolution, aqueous media, 402
Silver sulfide, sensitization digestion, sensitization and fog centers formed during, 386
Software, correction, scattered x-rays, cone-beam CT images, 319
Spectral sensitization
photographic layers, role of two-photon processes, 113
silver halides, role of sensitizing dye complexation, 377
Spectroscopy
aggregation behavior, benzoxazole cyanine dyes, 257
nascent ultrafine silver iodide particles, spectral evolution, aqueous media, 402
sensitizing dye, single silver halide microcrystals, correlative near-field direct/fluorescence imaging and, 205
studies of AgBr, three-four atom/center photoluminescence, quantum-sized silver clusters, 97
synthesis/performance and, blue sensitizing dyes, photographic emulsions, 244
Stairstepping, digitized text, subjective impression of quality and, 142
Standards, diffuse optical densities, measurement, diffusion coefficient, 453
Stereolithography, multicolor polymeric objects, formation by laser-initiated photopolymerization, 18
Sulfur sensitization, elemental sulfur, selected sulfur donors and acceptors and, sensitometric properties, silver halide emulsions, 524
Synthesis, spectroscopy/performance and, blue sensitizing dyes, photographic emulsions, 244
Thermal absorption, flash fusible toner and, electrophotography, analysis, 481
Thermodynamics, blue-sensitizing cyanine dye, aqueous methanol solution, 373
Tone reproduction, halftone imaging, expanded Murray-Davies model, 502
Toners
charge, triboelectric charge, role of electric field in, two-component xerographic developers, 285
flash fusible, thermal absorption, electrophotography, analysis, 481
liquid development, charge transport model, electrography, 473
Ni(II)chelates, 8-mercaptoquinoline and 5,8-dimercaptoquinoline in, nonsilver images, 362
polmyerized, properties, electrophotography, 433
polymerized, molecular weight, influence on developer stability, 442

surface additives, alkylchlorosilane-treated silicas as, role of water in triboelectric charging, 429
xerographic developers, *in situ* monitoring, piezoelectric sensor for, 136
Tribocharging, role of electric field in, two-component xerographic developers, 285
Triboelectric charge, role of water, alkylchlorosilane-treated silicas, toner surface additives, 429
Two-photon processes, spectral sensitization and, photographic layers
Visual perception, image quality, nonlinear models, framework, sharpness/graininess, 312
Watermarks, digital image capture, techniques, 261
Wiener spectra, quantum and structure mottle, front and back emulsions, effects of crossover exposure, 148
Xerography
red- and near-IR-sensitive bisazo pigments, from 2,7-diaminofluorenone, synthesis/optical absorption/xerographic properties, 1
toner surface additives, alkylchlorosilane-treated silicas as, role of water in triboelectric charging, 429
two-component developers, triboelectric charging, role of electric field in, 285
unsymmetrical bisazo pigments, from 2-nitro-4–4′-diaminodiphenylamine, synthesis/characterization/xerographic properties, 126
X-rays
films, front and back emulsions, effects of crossover exposure, Wiener spectra of, quantum and structure mottle, 148
images, scattered, cone-beam CT images, software correction for, 319

AUTHOR INDEX

Akashi, K. *See* Edamura, K., et al., 564
Antoniades, M. G., and J. S. Wey
The Effect of Coalescence on AgBr Tabular Grain Formation, 323
Aratani, S. *See* Kobayashi, T., et al., 485
Arimura, H., T. Ikari, M. Okamoto, N. Nakamori, H. Kanamori, H. Kubota, M. Matsumoto, and A. Takigawa
Wiener Spectra of Quantum Mottle and Structure Mottle Considering the Effects of Crossover Exposure of Front and Back Emulsions, 148
Arney, J. S. *See* Stewart, D., et al., 261
Arney, J. S., P. G. Engeldrum, and H. Zeng
An Expanded Murray-Davies Model of Tone Reproduction in Halftone Imaging, 502
Bankovsky, Y. A. *See* Mikhailov, O. V., et al., 362
Barba, J. *See* Wu, H.-S., et al., 26
Belous, V. M. *See* Nizhner, D. G., et al., 56
Bergmann, D. *See* Buhr, E., et al., 453
Black, D. L. *See* Mehta, R. V., et al., 67
Bollen, R., and J. Snels
Image Degradation as Described by the Image Degradation Function (IDF), 463
Borsenberger, P. M., E. H. Magin, and M. R. Detty
Electron Transport in Molecularly Doped Polymers, 12
Borsenberger, P. M., H.-C. Kan, E. H. Magin, and W. B. Vreeland
Electron Transport in 2-*t*-Butyl-9,10-N,N′-Dicyanoanthraquinonediimine-Doped Polymers, 6
Braun, K. M.
(book review) *Computer Generated Color*, Richard Jackson, Lindsay MacDonald, and Ken Freeman, 278
Brown, Scott D.
(book review) *Digital Image Processing: Principles and Applications*, Gregory Baxes, 578
Buhr, E., D. Hoeschen, and D. Bergmann
The Measurement of Diffuse Optical Densities. Part I: The Diffusion Coefficient, 453
Burton, R. P. *See* Melville, J. D., 162
Callens, F. *See* van den Eeden, M., et al., 393
Cardon, F. *See* van den Eeden, M., et al., 393
Carleer, R. *See* Zhou, X.-f., et al., 244
Chabala, J. M., R. Levi-Setti, and T. J. Maternaghan
Photographic Gelatin Layer Microstructures Revealed by Imaging Secondary Ion Mass Spectrometry, 222
Chang, Y.-R. *See* Lee, C.-S., et al., 442
Chen, D. A. *See* Weiss, D. S., 425
Chen, I.
A Charge Transport Model of Liquid Development for Electrography, 473
Electrostatic Image Densities in Digital Hybrid Halftone Methods, 302
Chen, Z., and G. Mu
High-Dynamic-Range Image Acquisition and Display by Multi-Intensity Imagery, 559
Chong, J.
Crystal Growth Rate and Total Population Changes during Silver Halide Precipitations, 120
Churashov, V. P. *See* Nizhner, D. G., et al., 56
Claeys, M. *See* Zhou, X.-f., et al., 244
Daimon, K. *See* Inami, K., et al., 298
De Clercq, M.
Photographic Gelatin Production, 367
De Keyzer, R. *See* Goessens, C., et al.,70
De Keyzer, R. *See* Hailstone, R. K., 509
De Keyzer, R. *See* van den Eeden, M., et al., 393
Detty, M. R. *See* Borsenberger, P. M., et al., 12
Di Francesco, G. *See* Rogers, J. K., et al., 205
Dommisse, R. *See* Zhou, X.-f., et al., 244
Edamura, K., K. Akashi, and Y. Otsubo
Electrooptical Properties of Dilute Suspensions, 564
Edinger, J. R., Jr.
A Measure for Stairstepping in Digitized Text that Correlates with the Subjective Impression of Quality, 142
Ehrlich, S. H.
Spectroscopic Studies of AgBr with Quantum-Sized Clusters of Silver. Three-Four Atom/Center Photoluminescence, 97
Endo, M. *See* Inoue, K., et al., 319
Engeldrum, P. G. *See* Arney, J. S., et al., 502
A Framework for Image Quality Models, 312
Geise, H. J. *See* He, P., 257
Geise, H. J. *See* Wu, G., et al., 253
Geise, H. J. *See* Zhou, X.-f., et al., 244
Geuens, I. *See* Goessens, C., et al.,70
Giardina, C. R. *See* Yoo, S.-W., 457
Gijbels, R. *See* Goessens, C., et al.,70
Goessens, C., D. Schryvers, J. Van Landuyt, I. Geuens, R. Gijbels, W. Jacob, and R. De Keyzer
A Temperature Study of Mixed AgBr-AgBrI Tabular Crystals, 70
Golovanov, B. I. *See* Novikov, G. F., 520
Goto, E. *See* Matsumoto, S., et al., 132
Gutman, E. J., and G. C. Hartmann
The Role of the Electric Field in Triboelectric Charging of Two-Component Xerographic Developers, 285
Hailstone, R. *See* Rogers, J. K., et al., 205
Hailstone, R. K.
Computer Simulation Study of the Effect of Grain Size on the Efficiency of Latent-Image Formation, 407
Hailstone, R. K., and R. De Keyzer
Computer Simulation Study of the Sensitometric Effects of Corner Rounding in Cubic Grains, 509
Hamanaka, T. *See* Kamiyama, M., et al., 433
Haneishi, H. *See* Sanger, D., et al., 166
Hao, J. *See* Zhang, Z., et al., 373
Hartmann, G. C. *See* Gutman, E. J., 285
He, P., X.-f. Zhou, Z.-h. Peng, and H. J. Geise
Aggregation Behavior of Benzoxazole Cyanine Dyes, 257
Helling, J. O., and A. H. Herz
Sensitometric Properties of Elemental Sulfur and of Selected Sulfur Donors and Acceptors, 524
Herz, A. H. *See* Helling, J. O., 524
Chemical Factors for the Control of Silver Halide Recrystallization and Growth, 40
Higashiguchi, T. *See* Matsumoto, S., et al., 132
Hirano, A. *See* Oikawa, T., et al., 233
Hoeschen, D. *See* Buhr, E., et al., 453
Hunt, M. L. *See* Mitsuya, T., 481
Ikari, T. *See* Arimura, H., et al., 148
Inami, K., K. Oka, and K. Daimon
Crystal Structure of Hydroxy Gallium Phthalocyanine by Rietveld Analysis, 298
Inoue, K., T. Sudou, N. Nakamori, H. Kanamori, and M. Endo
Software Correction for Scattered X-Rays on Cone-Beam CT Images, 319
Ishii, H. *See* Kawasaki, M., 210
Ishizawa, H. *See* Yonezawa, Y., et al., 331
Isshiki, T. *See* Saijo, H., et al., 539
Itoh, Y. *See* Omote, A., et al., 271
Iwano, H. *See* Nakamura, T., 419
Iwasaki, M., H. Tanoue, K. Satsu, and T. Tanaka
Spectral Evolution of Nascent Ultrafine Silver Iodide Particles in Aqueous Media, 402
Iwayanagi,T. *See* Kobayashi, T., et al., 485
Jacob, W. *See* Goessens, C., et al.,70
Jagannathan, R. *See* Mehta, R. V., et al., 67
Kamiyama, M., M. Maeda, H. Totsuka, and T. Hamanaka
Properties of Polymerized Toners, 433
Kan, H.-C. *See* Borsenberger, P. M., et al., 6
Kanamori, H. *See* Arimura, H., et al., 148
Kanamori, H. *See* Inoue, K., et al., 319
Kaneda, T. *See* Oikawa, T., et al., 233
Kawamoto, H.

Modeling of Ozone Emission by a Corotron Used in Electrophotography, 439
Modeling of Ozone Formation by a Contact Charger Roller, 267
Kawamoto, H., K. Udagawa, and M. Mori
Vibration and Noise Induced by Electrostatic Force on a Contact Charger Roller of Electrophotography, 477
Kawasaki, M., and H. Ishii
Spectral Properties and STM Imaging of Monolayer Cyanine Dye Aggregates Self-Assembled on Ag(111) Film, 210
Kim, M.-H. *See* Lee, C.-S., et al., 442
Kim, M.-M. *See* Lee, C.-S., et al., 442
Kimura, A. *See* Oka, H., 239
Kinoshita, H., and T. Yamamuro
Effects of Repetitive JPEG Compressions with DCT Block Rearrangement Operation on Image Quality, 546
Image Quality with Reiterative JPEG Compression, 306
Kitrosser, S.
(book review) *The Photographs,* Leah Bendavid-Val, 182
Kobayashi, T., T. Saito, S. Aratani, S. Suzuki, and T. Iwayanagi
A Mechanism for Resolution Decrease in Organic Photoconductors, 485
Kojima, Y. *See* Obi, N., 532
Kubota, H. *See* Arimura, H., et al., 148
Kuhman, D. E. *See* Lorenze, R. V., 489
Lam, W. K. *See* Mehta, R. V., et al., 67
Laukaitis, J. F. *See* Rimai, D. S., 136
Law, K.-Y., and I. W. Tarnawskyj
Azo Pigments and Their Intermediates. Synthesis, Characterization, and Xerographic Properties of Unsymmetrical Bisazo Pigments from 2-Nitro-4,4′-Diaminodiphenylamine, 126
Azo Pigments and Their Intermediates. Synthesis, Optical Absorption, and Xerographic Properties of Red- and Near-IR-Sensitive Bisazo Pigments from 2,7-Diaminofluorenone, 1
Lee, C.-S., J.-Y. Park, M.-H. Kim, M.-M. Kim, Y.-R. Chang, and J.-N. Yoo
The Influence of Polymer Molecular Weight on Developer Stability, 442
Lenstra, A. T. H. *See* Wu, G., et al., 253
Levi-Setti, R. *See* Chabala, J. M., et al., 222
Levy, B. *See* Zou, C., et al., 106
Li, Z.-x. *See* Zhou, X.-f., et al., 244
Lorenze, R. V., and D. E. Kuhman
Correlation of Misdirected Satellite Drops and Resultant Print Quality Defects with Nozzle Face Geometries in Thermal Ink-Jet Printheads, 489
Maeda, M. *See* Kamiyama, M., et al., 433
Magin, E. H. *See* Borsenberger, P. M., et al., 6
Magin, E. H. *See* Borsenberger, P. M., et al., 12
Makita, T. *See* Sugiura, S., 495
Masui, M. *See* Matsumoto, S., et al., 132
Maternaghan, T. J. *See* Chabala, J. M., et al., 222
Matsuda, M. *See* Matsumoto, S., et al., 132
Matsumoto, M. *See* Arimura, H., et al., 148
Matsumoto, S., M. Masui, M. Takeuchi, M. Matsuda, A. Nishida, E. Goto, and T. Higashiguchi
Contact Charging of Photoreceptors with Conductive Brush–Sleeve Hybrid Roller, 132
McCormick-Goodhart, M. H.
Moisture-Content Isolines of Gelatin and the Implications for Accelerated Aging Tests and Long-Term Storage of Photographic Materials, 157
McDougall, M. N. V. *See* Veregin, R. P. N., et al., 429
Mehta, R. V., R. Jagannathan, W. K. Lam, D. L. Black, and J. A. Timmons
An Examination of the Relationship between Crystal Shape and Structural Features of Silver Halide Tabular Crystals, 67
Meikljar, P. V.
On the Role of Two-Photon Processes in Spectral Sensitization of Photographic Layers, 113
Melville, J. D., and R. P. Burton
Point–Line Intersection in Parallel Axes, 162
Mikhailov, O. V., T. B. Tatarintseva, V. K. Polovnyak, and Y. A. Bankovsky
Silverless Photographic Images Obtained from Ni(II) Chelates with 8-Mercaptoquinoline and 5,8-Dimercaptoquinoline, 362
Mitchell, J. W.
The Basic Concepts of the Photoaggregation Theory, 193
Mitsuya, T., and M. L. Hunt
Analysis of the Thermal Absorption by Flash Fusible Toner, 481
Miyake, K., and T. Tani
Dependence of Development Rate upon Emulsion Variables with Respect to Type of Development, 355
Miyake, Y. *See* Sanger, D., et al., 166
Miyama, T. *See* Yonezawa, Y., et al., 331
Mori, M. *See* Kawamoto, H., et al., 477
Mu, G. *See* Chen, Z., 559
Mueller, M. E. *See* Zou, C., et al., 106
Murakami, M. *See* Tsuchiya, S., et al., 294
Nakamori, N. *See* Arimura, H., et al., 148
Nakamori, N. *See* Inoue, K., et al., 319
Nakamura, T., and H. Iwano
Self-Ripening Precipitation Process–A Linear Polymeric Precipitant and Cross-Flow Microfiltration System to Remove Silver from Photoprocessing Wash Water, 419
Neckers, D. C. *See* Shou, H., 18
Nishida, A. *See* Matsumoto, S., et al., 132
Nizhner, D. G., V. M. Belous, and V. P. Churashov
Preparation and Properties of Photographic Emulsions with Heterophase Microcrystals Comprising Nonsilver Cores and Silver Halide Shells, 56
Novikov, G. F., and B. I. Golovanov
Rate Constant of Free Electron–Hole Recombination Reaction in Powdered Silver Bromide at 295 K, 520
Obi, N., Y. Kojima, and Y. Shigemitsu
A New High-Contrast System Using Pyridinium Salts, 532
Ogawa, K. *See* Saijo, H., et al., 539
Oikawa, T., N. Saeki, T. Kaneda, A. Hirano, and T. Tani
Electronic Properties and Photographic Behavior of AgCl Emulsion Grains, 233
Oka, H., and A. Kimura
The Physicochemical Environment of Acid Red 249 Insolubilized in and Ink-Jet Paper, 239
Oka, K. *See* Inami, K., et al., 298
Okamoto, M. *See* Arimura, H., et al., 148
Omote, A. *See* Tsuchiya, S., et al., 294
Omote, A., Y. Itoh, and S. Tsuchiya
Drift Mobility of Monolayer Photoreceptor with H_2-Phthalocyanine, 271
Osmond, D. *See* Veregin, R. P. N., et al., 429
Otsubo, Y. *See* Edamura, K., et al., 564
Park, J.-Y. *See* Lee, C.-S., et al., 442
Pavlostathis, S. G., and D. Vacco
Biological Treatability of Photodistillates for Discharge into Septic Tank Systems, 176
Pelz, J.
(book review) *How to Digitize Video,* Nels Johnson, Fred Gault, and Mark Florence, 279
Peng, B.-x. *See* Zhou, X.-f., et al., 244
Peng, Z.-h. *See* He, P., 257; Zhou, X.-f., et al., 244
Polovnyak, V. K. *See* Mikhailov, O. V., et al., 362
Primerano, B. *See* Rimai, D. S., 136
Qian, J. *See* Wu, H.-S., et al., 26
Ren, X.-m. *See* Zhang, Y.-h., et al., 76
Rimai, D. S., M. C. Zaretsky, B. Primerano, and J. F. Laukaitis
A Piezoelectric Sensor for *In Situ* Monitoring of Xerographic Developers, 136
Rogers, J. K., R. Toledo-Crow, M. Vaez-Iravani, G. Di Francesco, T. Zhao, and R. Hailstone
Correlative Near-Field Direct/Fluorescence Imaging and Spectroscopy of a Sensitizing Dye on Single Microcrystals of Silver Halide, 205
Rosenblum, L.
(book review) *Visual and Technical Aspects of Type,* Roger D. Hersch, Ed., 87
Roth, S. R.
(book review) *The Application of Statistical Process Control to Roll Products,* Paul J. Frost and Edgar B. Gutoff, 183

Saeki, N. *See* Oikawa, T., et al., 233
Sahyun, M. R. V. *See* Zou, C., et al., 106
Sahyun, M. R. V., D. K. Sharma, and N. Serpone
Mechanisms of Spectral Sensitization of Silver Halides: Role of Sensitizing Dye Complexation, 377
Saijo, H., T. Isshiki, M. Shiojiri, S. Watanabe, T. Tani, and K. Ogawa
Nucleation and Growth of Cyanine Dye J-Aggregates on AgBr Emulsion Crystals Studied by Analytical Color Fluorescence Electron Microscopy, 539
Saito, T. *See* Kobayashi, T., et al., 485
Sanger, D., H. Haneishi, and Y. Miyake
Method for Light Source Discrimination and Facial Pattern Detection from Negative Color Film, 166
Satsu, K. *See* Iwasaki, M., et al., 402
Scharf, R. A. *See* Stewart, D., et al., 261
Schryvers, D. *See* Goessens, C., et al.,70
Serpone, N. *See* Sahyun, M. R. V., et al., 377
Sharma, D. K. *See* Sahyun, M. R. V., et al., 377
Shigemitsu, Y. *See* Obi, N., 532
Shiojiri, M. *See* Saijo, H., et al., 539
Shou, H., and D. C. Neckers
Formation of Multicolor Polymeric Objects by Laser-Initiated Photopolymerization, 18
Snels, J. *See* Bollen, R., 463
Stewart, D., R. A. Scharf, and J. S. Arney
Techniques for Digital Image Capture of Watermarks, 261
Sudou, T. *See* Inoue, K., et al., 319
Sugiura, S., and T. Makita
An Improved Multilevel Error Diffusion Method, 495
Suzuki, S. *See* Kobayashi, T., et al., 485
Takeuchi, M. *See* Matsumoto, S., et al., 132
Takigawa, A. *See* Arimura, H., et al., 148
Tanaka, T. *See* Iwasaki, M., et al., 402
Tani, T. *See* Miyake, K., 355
Tani, T. *See* Oikawa, T., et al., 233
Tani, T. *See* Saijo, H., et al., 539
Tani, T. *See* Watanabe, S., 81
Tani, T.
Characterization of Sensitization Centers and Fog Centers Formed during Digestion for Sulfur Sensitization, 386
The Present Status and Future Prospects of Silver Halide Photography, 31
Tanoue, H. *See* Iwasaki, M., et al., 402
Tarnawskyj, I. W. *See* Law, K.-Y., 1
Tarnawskyj, I. W. *See* Law, K.-Y., 126
Tatarintseva, T. B. *See* Mikhailov, O. V., et al., 362
Texter, J.
Multiphase Coupling with Nanocrystalline Coupler Dispersions, 340
Timmons, J. A. *See* Mehta, R. V., et al., 67
Toledo-Crow, R. *See* Rogers, J. K., et al., 205
Totsuka, H. *See* Kamiyama, M., et al., 433
Tripp, C. P. *See* Veregin, R. P. N., et al., 429
Tsuchiya, S. *See* Omote, A., et al., 271
Tsuchiya, S., A. Omote, M. Murakami, and S. Yoshimura
Positively Charged Monolayer Photoreceptor with H_2-Phthalocyanine, 294
Udagawa, K. *See* Kawamoto, H., et al., 477
Vacco, D. *See* Pavlostathis, S. G., 176
Vaez-Iravani, M. *See* Rogers, J. K., et al., 205
Vandenbroucke, D. *See* van den Eeden, M., et al., 393
van den Eeden, M., F. Callens, F. Cardon, D. Vandenbroucke, and R. De Keyzer
Transient Microwave Photoconductivity and Computer Simulation Study of Ir^{3+}- and Rh^{3+}-Doped AgCl Microcrystals, 393
Vanhulle, K. *See* Wu, G., et al., 253
Van Landuyt, J. *See* Goessens, C., et al.,70
Veregin, R. P. N., C. P. Tripp, M. N. V. McDougall, and D. Osmond
The Role of Water in the Triboelectric Charging of Alkylchlorosilane-Treated Silicas as Toner Surface Additives, 429
Vreeland, W. B. *See* Borsenberger, P. M., et al., 6
Walworth, V. K.
Editorial, iv(1), iv(2), iv(3), iv(4), iv(5), iv(6)
Watanabe, S. *See* Saijo, H., et al., 539
Watanabe, S., and T. Tani
Absorption Spectra of J-Aggregates of Cyanine Dyes Adsorbed on AgBr, 81
Weiss, D. S., and D. A. Chen
Photofatigue of Organic Photoreceptors with Triarylamine-Based Charge Transport Layers, 425
Wey, J. S. *See* Antoniades, M. G., 323
Wu, B. *See* Zhang, Z., et al., 373
Wu, G., X.-f. Zhou, K. Vanhulle, A. T. H. Lenstra, and H. J. Geise
Crystal Structures of Blue-Sensitizing Dyes: N-Methyl-2-Pyridinium Iodide and N-Methyl-2-Pyridinium Iodide, 253
Wu, H.-S., J. Qian, and J. Barba
A Classified Algorithm for Segmentation of Multispectral Images, 26
Wu, J.-p. *See* Zhang, Y.-h., et al., 76
Yamamuro, T. *See* Kinoshita, H., 306; Kinoshita, H., 546
Yan, M. *See* Zhou, X.-f., et al., 244
Yang, W. V.
In Memoriam: Xin-min Ren, 1929–1994, 86
Yared, W.
Electron-Beam Scanning of ZnS Crystals: A Thermal Comparison of CRTs and Field-Emission Devices, 448
Yonezawa, Y., T. Miyama, and H. Ishizawa
Monolayer Assemblies Incorporating Two Types of Cyanine Dyes: Possibility of Formation of an Amalgamation-Type J-Aggregate, 331
Yoo, J.-N. *See* Lee, C.-S., et al., 442
Yoo, S.-W., and C. R. Giardina
Fuzzy-Based Histogram Equalization Procedure for Image Recognition Using Pointed Set, 457
Yoshimura, S. *See* Tsuchiya, S., et al., 294
Yuan, H. *See* Zhang, Z., et al., 373
Zaretsky, M. C. *See* Rimai, D. S., 136
Zeng, H. *See* Arney, J. S., et al., 502
Zhang, T. *See* Zou, C., et al., 106
Zhang, Y.-h., S.-y. Zhuang, J.-p. Wu, and X.-m. Ren
Composition and Chemical State of Images Intensified by Copper Physical Development, 76
Zhang, Z., J. Hao, B. Wu, and H. Yuan
Thermodynamics of a Blue-Sensitizing Cyanine Dye in Aqueous Methanol Solution, 373
Zhao, T. *See* Rogers, J. K., et al., 205
Zhou, X.-f. *See* He, P., 257
Zhou, X.-f. *See* Wu, G., et al., 253
Zhou, X.-f., Z.-h. Peng, H. J. Geise, B.-x. Peng, Z.-x. Li, M. Yan, R. Dommisse, R. Carleer, and M. Claeys
Blue Sensitizing Dyes: Synthesis, Spectroscopy, and Performance in Photographic Emulsions, 244
Zhuang, S.-y. *See* Zhang, Y.-h., et al., 76
Zou, C., M. R. V. Sahyun, M. E. Mueller, B. Levy, and T. Zhang
Grain-Size Dependence of Photocharge Effect in Silver Iodobromide Photographic Emulsions, 106